

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/019539

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ G06F13/00, H04Q9/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
Int.Cl⁷ G06F13/00, H04Q9/00Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2005
Kokai Jitsuyo Shinan Koho 1971-2005 Jitsuyo Shinan Toroku Koho 1996-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	JP 2003-102078 A (Matsushita Electric Industrial Co., Ltd.), 04 April, 2003 (04.04.03), Par. Nos. [0039] to [0044]; Fig. 8 (Family: none)	8 1-7, 9-23
Y A	JP 2003-76632 A (Hewlett-Packard Co.), 14 March, 2003 (14.03.03), Par. Nos. [0031] to [0032]; Fig. 6 & US 2002/0188867 A1 Par. Nos. [0038] to [0039]; Fig. 6	1-7, 9-23 8

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

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- "E" earlier application or patent but published on or after the international filing date
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"&" document member of the same patent family

Date of the actual completion of the international search
29 March, 2005 (29.03.05)Date of mailing of the international search report
12 April, 2005 (12.04.05)Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	JP 2003-345687 A (Samsung Electronics Co., Ltd.), 05 December, 2003 (05.12.03), Par. Nos. [0027] to [0029]; Fig. 2 & US 2003/0169728 A1 Par. Nos. [0035] to [0037]; Fig. 2 & EP 1345355 A2	15-23 1-14
A	JP 2002-57683 A (Sony Corp.), 22 February, 2002 (22.02.02), Par. Nos. [0065] to [0068]; Fig. 24 & US 2002/0004711 A1 Par. Nos. [0096] to [0098]; Fig. 24	1-23
A	JP 2002-232977 A (Hitachi, Ltd.), 16 August, 2002 (16.08.02), Par. No. [0029] & US 2002/0107583 A1 Par. No. [0086] & EP 1235385 A3	1-23

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